

**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

**The claims are amended as follows:**

1.     (Amended) An electromotive device used in an oil, said electromagnetic device comprising:
  - an outer casing;
  - a moveable shaft supported by said outer casing;
  - a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft; and
  - a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin, and  
means for preventing sulfur compounds from permeating said bobbin and said outer molding and attendantly reducing the formation of sulfur compounds on a surface of said conducting wire, thereby suppressing the reduction in adhesive strength of an electrically-insulating layer to said conducting wire, wire breakage, and short circuiting between said conducting wires,  
said preventing means comprising forming wherein said bobbin and said outer molding ~~are composed~~ of an electrically-insulating material resistant to permeation by sulfur compounds.

3. (Amended) An electromotive device used in an oil, said electromagnetic device comprising:

an outer casing;

a moveable shaft supported by said outer casing;

a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft; and

a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin,

~~wherein said conducting wire is constituted by a copper wire, an electrically-insulating layer coated on said copper~~conducting wire, and

a protective layer coated on said electrically-insulating layer, and

means for preventing sulfur compounds from permeating said protective layer and attendantly reducing the formation of sulfur compounds on a surface of said conducting wire, thereby suppressing reduction in adhesive strength of the electrically-insulating layer to the conducting wire, wire breakage, and short circuiting between said conducting wires.

said preventing means comprising forming said protective layer being  
~~composed of an electrically-insulating material resistant to permeation by sulfur~~  
compounds.

5. (Amended) An electromotive device used in an oil, said electromagnetic device comprising:

an outer casing;

a moveable shaft supported by said outer casing;

a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft; and

a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin,

~~wherein said conducting wire is constituted by a copper wire, a high-temperature solder layer coated on said copper-conducting wire, and~~

a protective layer coated on said high-temperature solder layer, and

means for preventing sulfur compounds from permeating said protective layer and attendantly reducing the formation of sulfur compounds on a surface of said conducting wire, thereby suppressing reduction in adhesive strength of an electrically-insulating layer to the conducting wire, wire breakage, and short circuiting between said conducting wires,

said preventing means comprising forming said protective layer being  
~~composed~~ of an electrically-insulating material resistant to permeation by sulfur compounds.